

Figure 2

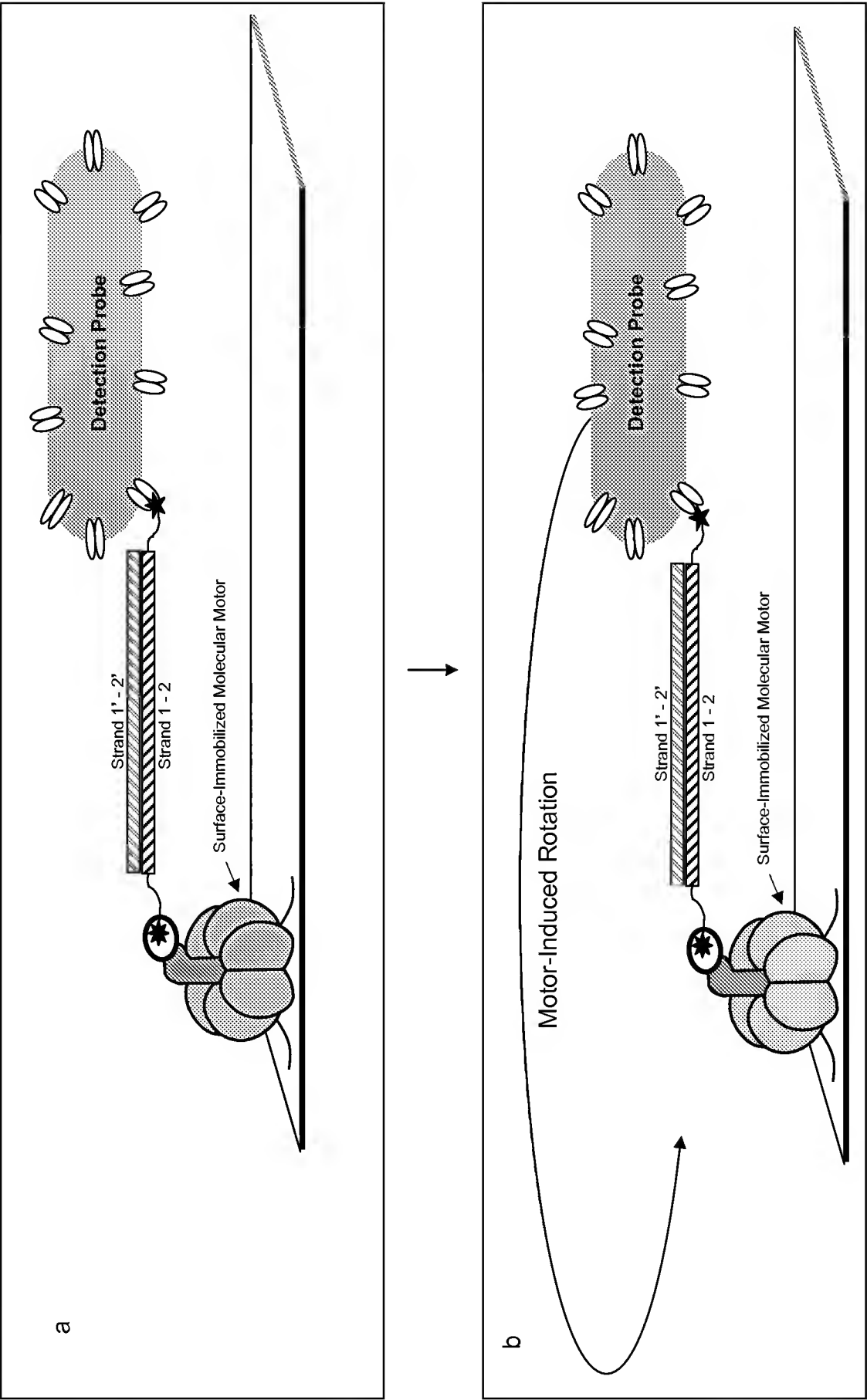


Figure 3

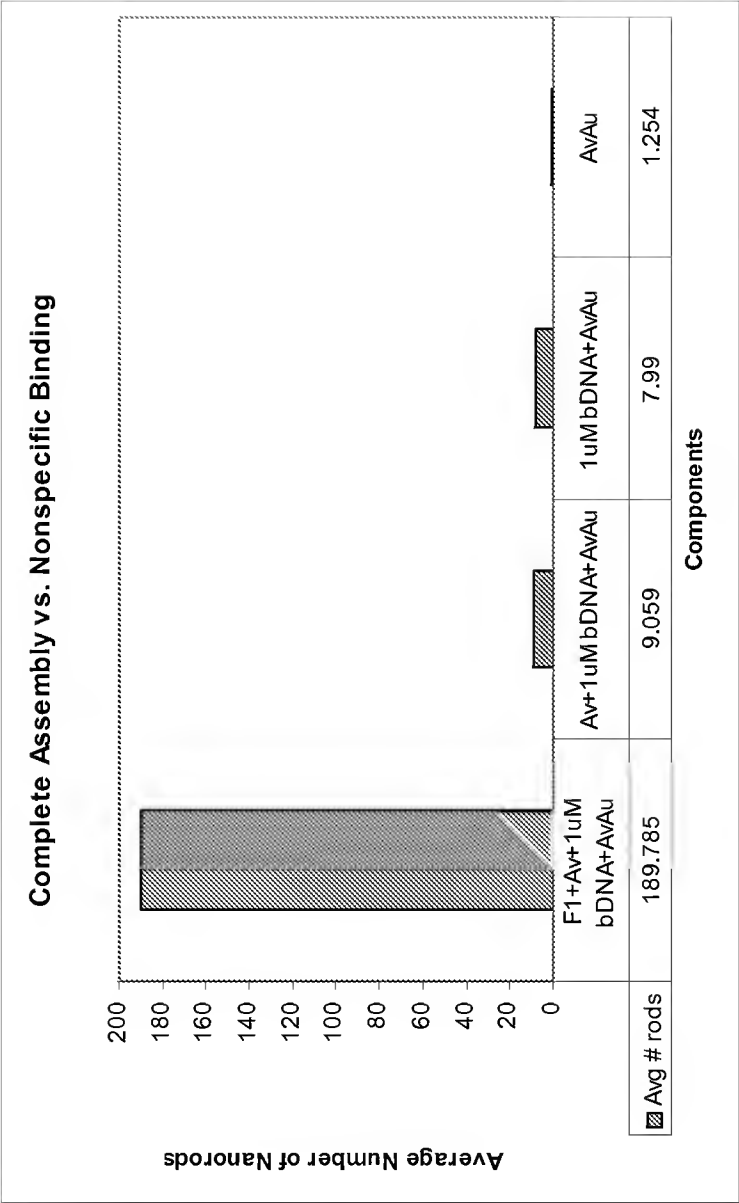


Figure 4

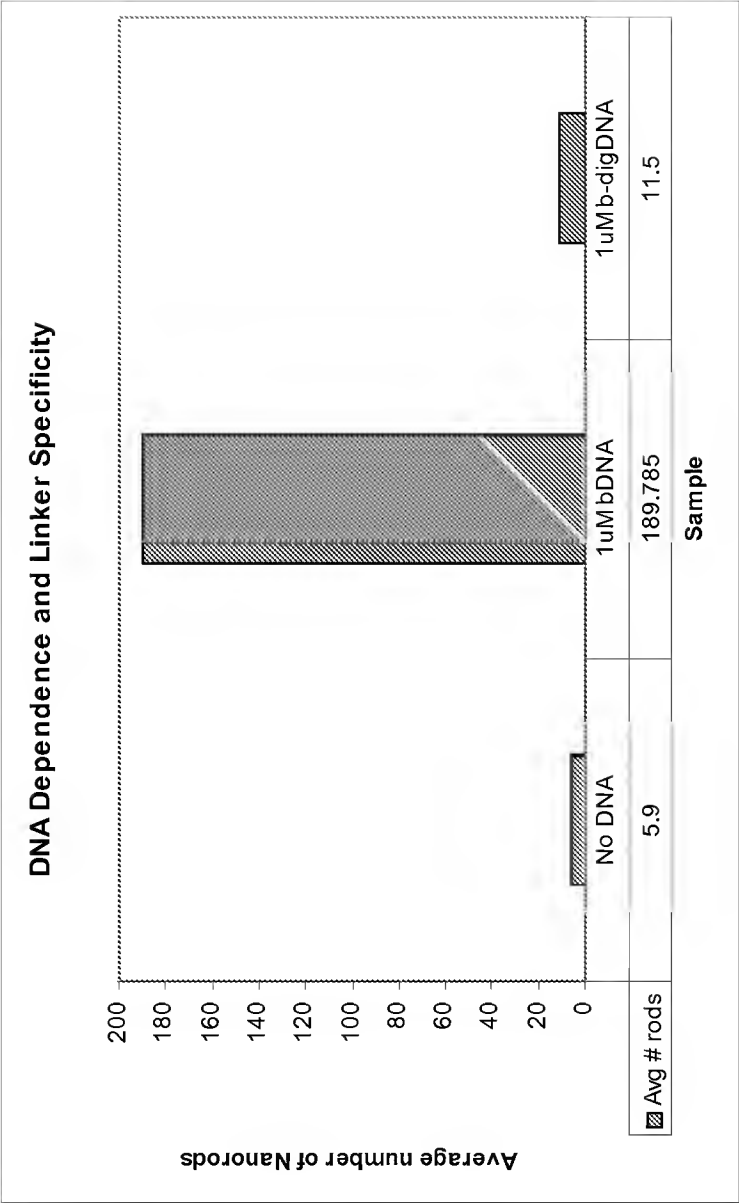
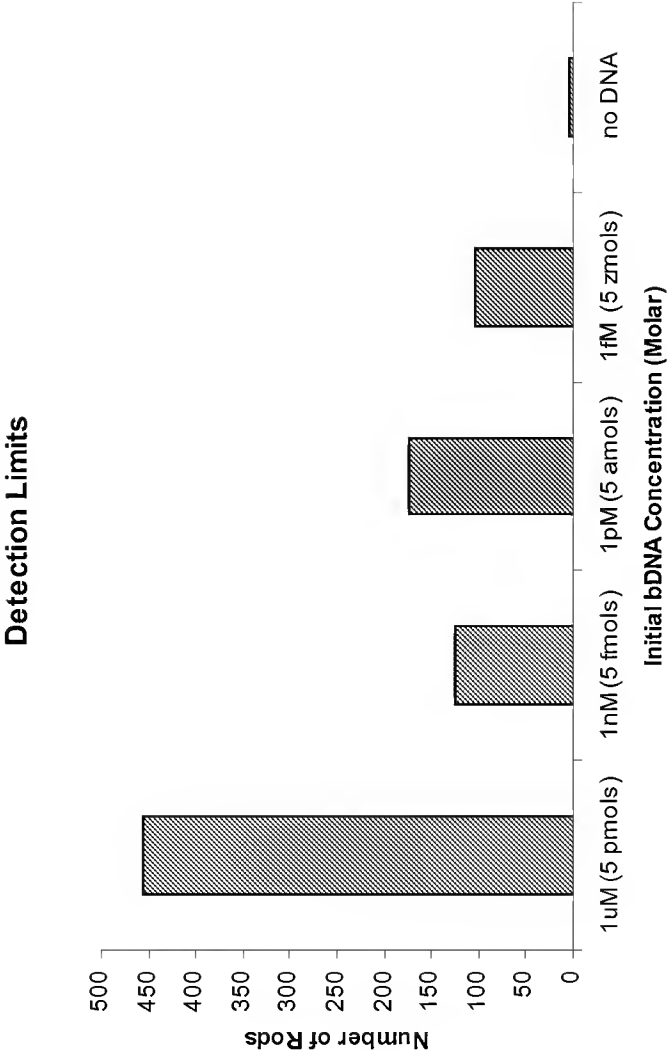


Figure 5



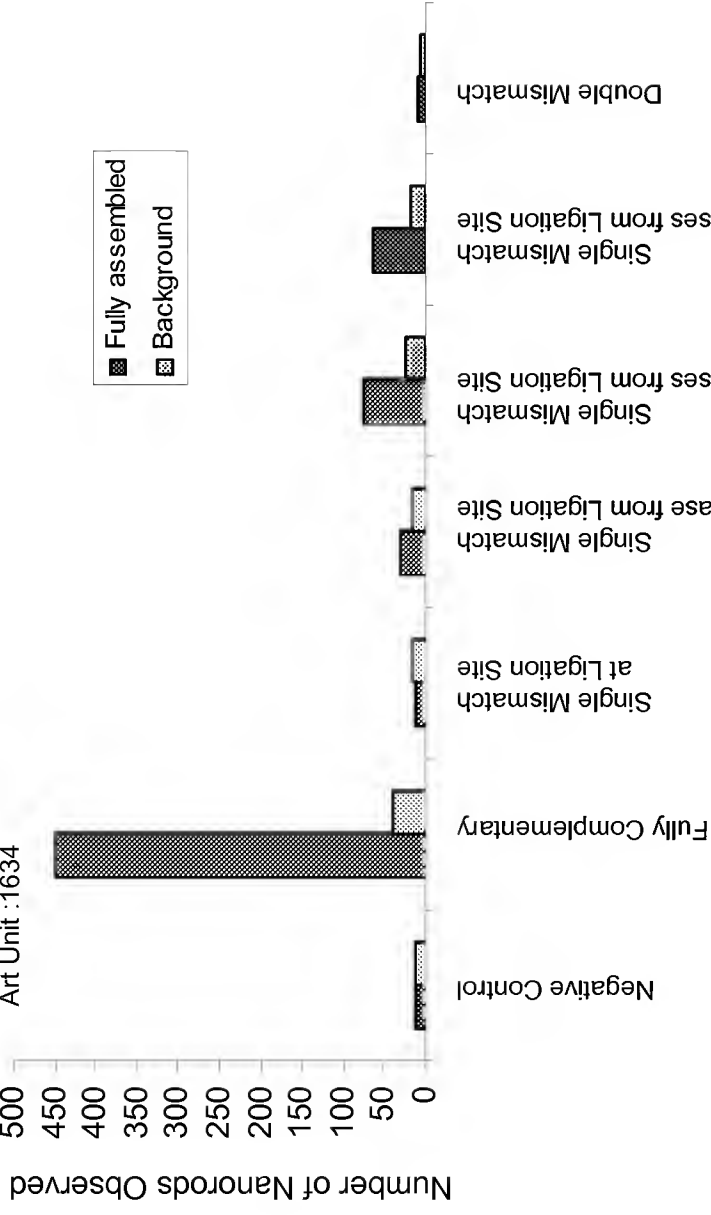


Figure 6

Target DNA Sequences

Binding Site for
Target Specific
Strand 1

Binding Site for
Target Specific
Strand 2

5' GAC CTTGCCGAAGGCATGAAAGTTAAGTGTACTGGCCCGTATCCTGGAAAGTTCCGGTTGGC 3'	Fully Complementary
5' GAC CTTGCCGAAGGCATGAAAGTTAAGTGTACTGGCCCGTATCCTGGAAAGTTCCGGTTGGC 3'	Single Mismatch at Ligation Site
5' GAC CTTGCCGAAGGCATGAAAGTTAAGTGTACTGGCCCGTATCCTGGAAAGTTCCGGTTGGC 3'	Single Mismatch 1 base from Ligation Site
5' GAC CTTGCCGAAGGCATGAAAGTTAAGTGTACTGGCCCGTATCCTGGAAAGTTCCGGTTGGC 3'	Single Mismatch 2 bases from Ligation Site
5' GAC CTTGCCGAAGGCATGAAAGTTAAGTGTACTGGCCCGTATCCTGGAAAGTTCCGGTTGGC 3'	Single Mismatch 3 bases from Ligation Site
5' GAC CTTGCCGAAGGCATGAAAGTTAAGGCTACTGGCCCGTATCCTGGAAAGTTCCGGTTGGC 3'	Double Mismatch

↖ Mismatched bases are underlined